



Voice/Data NVIS Field Testing

Army Cyber Institute





**ARMY CYBER
INSTITUTE**
AT WEST POINT

Voice/Data NVIS Field Testing





ARMY CYBER INSTITUTE

AT WEST POINT

Voice/Data NVIS Field Testing

Activities js8call Thu 10:51 JS8Call DE KN4CRD (v0.10.1-devel)

File Configurations Decode Save Log View Control Help

80m AAM2P RX TX TUNE LOG

3.578 000 1921 Hz SPOT ACTIVE AUTO SELCALL

Offset Age SNR Message(s)

1917 (now) +09 KJ5HY: AAM2P TEST 1 10W 5.112MHZ ~

18:39:51 - (1940) - AAM2P: KJ5HY STANDING BY FOR GUIDANCE ~

18:48:11 - (1938) - AAM2P: KJ5HY TEST 1 10W 5.112MHZ ~

18:50:29 - (1917) - KJ5HY: AAM2P TEST 1 10W 5.112MHZ ~

Type your outgoing directed message to KJ5HY here.

Callsign ✓ Age SNR Offset

@ALLCALL (1)

★ KJ5HY (45s) +09 1917

HB CQ Reply SNR QTH QTC Saved Directed to KJ5HY Deselect Send Halt

CAT

800 1000 1200 1400 1600 1800 2000

80 60 40 20 0

18:51:00 80m

18:50:45 80m

18:50:30 80m

QSY Bins/Pixel 2 Start 500 Hz Palette Adjust... Flatten Ref Spec Spec 0 %

Center 1500 Hz Offset 1921 Hz N Avg 1 Default Cumulative Smooth 1

28 dB Receiving JS8 Last Tx: 12MHz 2/15

The screenshot shows the JS8Call software interface for NVIS field testing. The top bar displays 'Activities js8call' and the date/time 'Thu 10:51 JS8Call DE KN4CRD (v0.10.1-devel)'. The main window includes a frequency display (80m, 3.578 000 Hz, 1921 Hz), mode buttons (RX, TX, TUNE, LOG, SPOT, ACTIVE, AUTO, SELCALL), and a message log window showing recent contacts with KJ5HY and AAM2P. Below the log is a text input field for sending messages. The bottom half of the screen features a spectrogram showing signal activity over time and frequency, with controls for QSY, palette, and averaging settings.



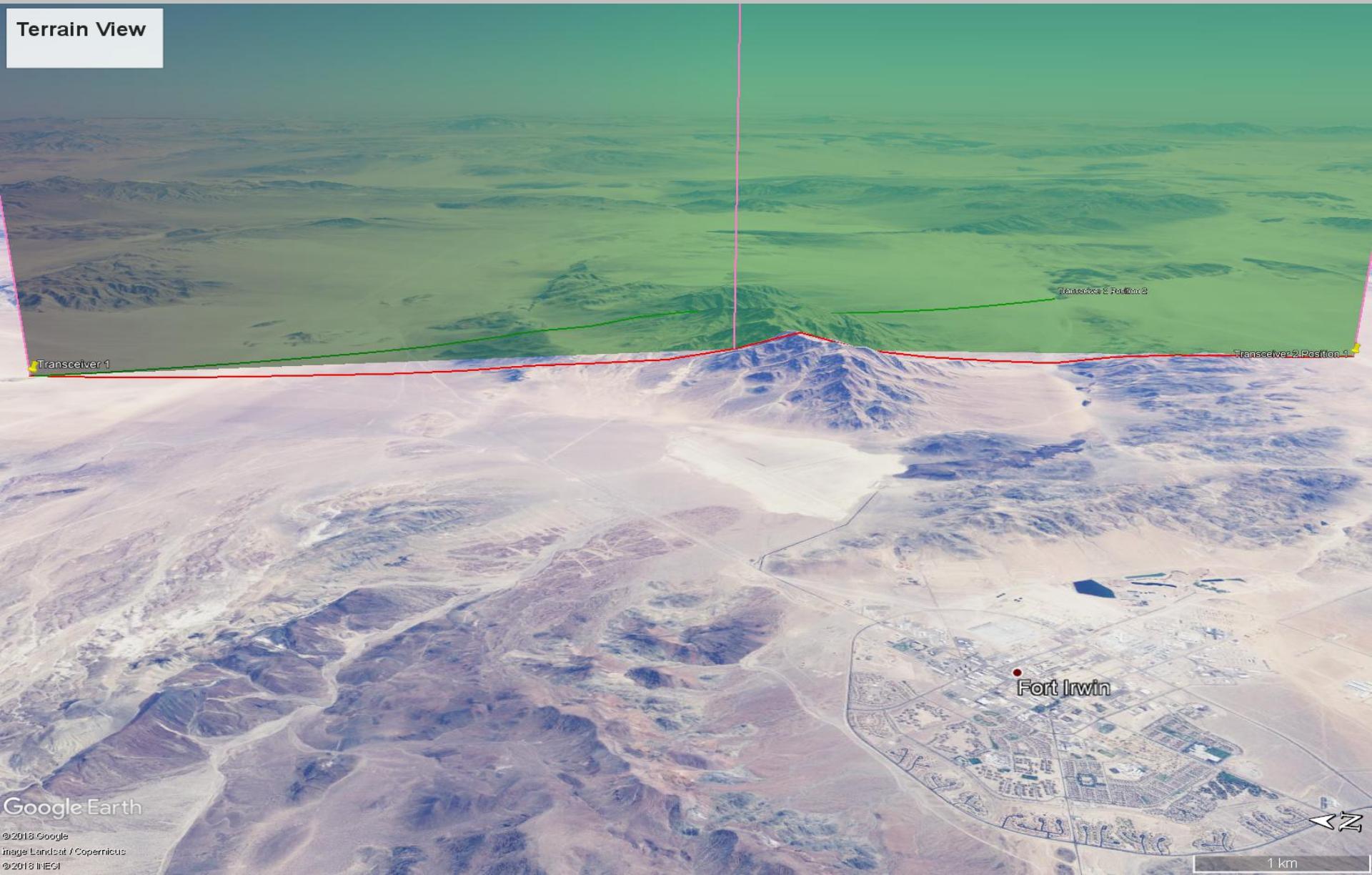


ARMY CYBER INSTITUTE

AT WEST POINT

Voice/Data NVIS Field Testing

Terrain View



Google Earth

©2018 Google
Image Landsat / Copernicus
©2018 InECI

1 km

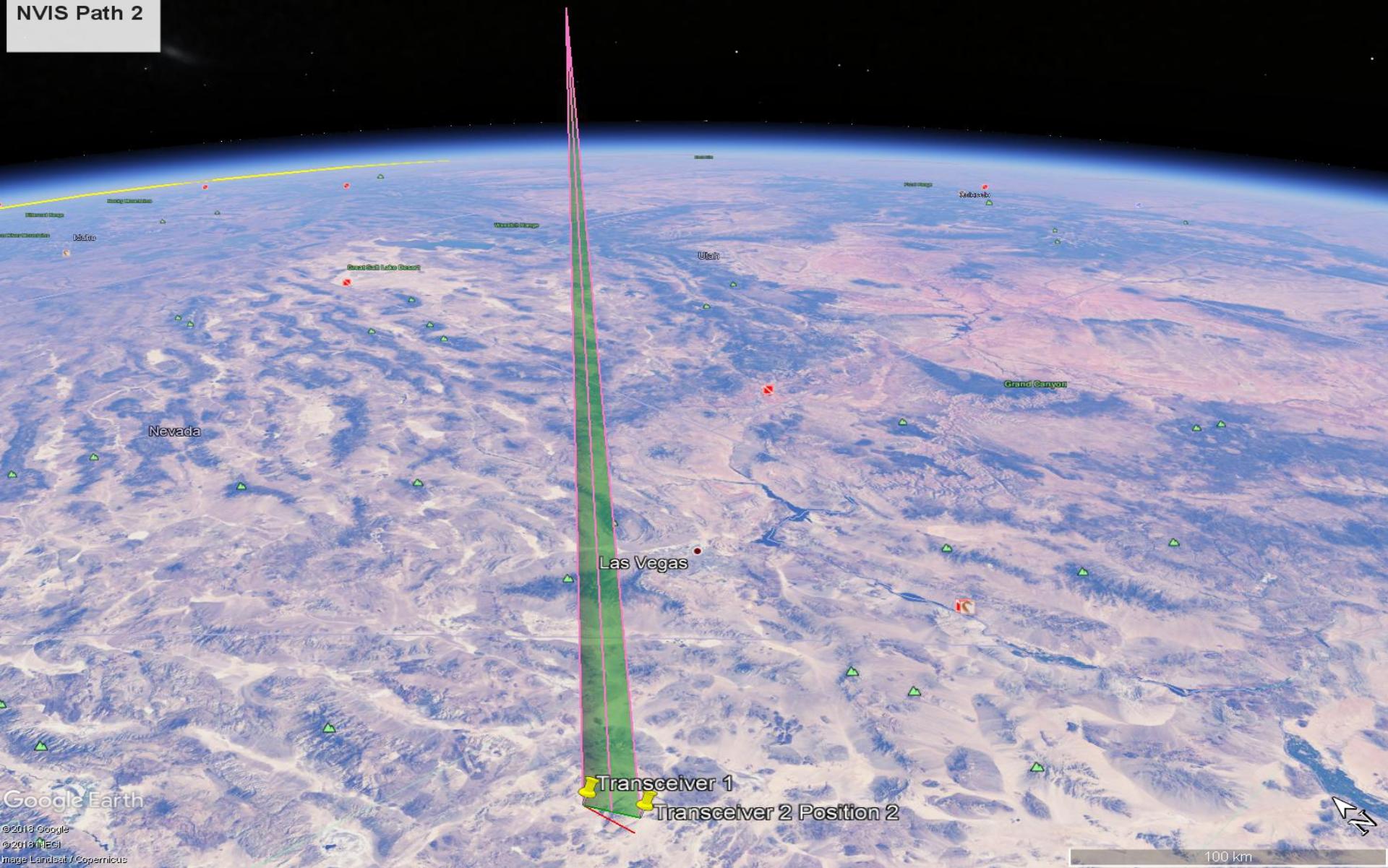


ARMY CYBER INSTITUTE

AT WEST POINT

Voice/Data NVIS Field Testing

NVIS Path 2



SETTINGS

	RED SIDE		BLACK SIDE	
<i>Bands</i>	<i>Wire length</i>	<i>Tap</i>	<i>Wire length</i>	<i>Tap</i>
80 METERS	28'	No	29'	No
60 METERS	12'	Tap 37	15'	No
40 METERS	14'	Tap 16	17.5'	Tap 20

